Statement of Basis of the Federal Operating Permit

DCP Midstream, LP

Site Name: Rock Creek Gas Plant Physical Location: 2000 West 10th Street Nearest City: Borger

County: Hutchinson

Permit Number: O2449 Project Type: Renewal

Standard Industrial Classification (SIC) Code: 1321 SIC Name: Natural Gas Liquids

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

A description of the facility/area process description;

A basis for applying permit shields;

A list of the federal regulatory applicability determinations;

A table listing the determination of applicable requirements;

A list of the New Source Review Requirements;

The rationale for periodic monitoring methods selected;

The rationale for compliance assurance methods selected;

A compliance status; and

A list of available unit attribute forms.

Prepared on: October 15, 2015

Operating Permit Basis of Determination

Permit Area Process Description

The Rock Creek Gas Plant (Rock Creek) treats natural gas brought in via pipeline and then compresses the natural gas for pipeline transmission out of the facility. The following is a description of the natural gas liquids processing facility.

Raw natural gas enters the Rock Creek Gas Plant through several inlet pipelines. The gases in all the inlet streams, except the H-line, are at a pressure sufficient enough to begin processing. The H-Line stream is routed to a compressor engine (ENG5) to boost the pressure prior to processing. The combined inlet streams are then routed through the plant's inlet scrubber, where liquids are removed from the gas stream. The liquids are routed to a Natural Gas Liquids (NGL) and water separator. The water is removed from the site via tank truck and the condensate is piped offsite. Vapors resulting from flash at the separator are routed back to the inlet gas line for further processing.

The gas stream from the inlet scrubber is routed to an amine unit where the gas is sweetened by removing hydrogen sulfide (H2S) and carbon dioxide (CO2). The gas enters the bottom of the amine contactor while lean amine enters the top. The gas stream rises through the amine solution which has affinity for H2S and CO2. The now rich amine solution exits the bottom of the contactor and is routed to the amine stripper. Heat supplied from the turbine waste-heat recovery system and the plant's boilers boil off the H2S, CO2, and small amounts of hydrocarbons from the amine solution, regenerating the solution for reuse. The acid gas stream from the amine stripper is routed to the plant's acid gas incinerator (INCIN1) for hydrocarbon and H2S destruction. During upset conditions where the incinerator is not operational, the acid gas is sent to the emergency acid gas flare (FLR1).

Sweetened gas from the amine system is routed to the glycol dehydration system. The gas enters the glycol contactor and rises through the lean glycol stream. The glycol removes water and small amounts of hydrocarbons. The rich glycol stream is routed to the glycol regenerator where heat supplied by the plant's hot oil heaters (HOH1, HOH2 and HTR1) boils off the water and hydrocarbon fractions from the glycol, regenerating the solution for reuse. The vapors from the regenerator are routed back to the plant's inlet gas stream for processing, creating a closed loop system.

The dried gas from the dehydration unit is routed to the turbine (ENG6) for first and second stage compression. The gas is routed to the mole sieve dehydration system for additional water removal. Heat to regenerate the mole sieve dehydrators is also supplied by a gas fired heater (HTR3). The gas stream from the mole sieve dehydration system is routed to a helium recovery system where helium fractions are removed. The helium is piped offsite for sale.

The remaining gas stream is routed through the cryogenic liquids recovery unit to remove ethane and heavier hydrocarbons. Propane compression (ENG4) assists in the operation of the cryogenic unit. The natural gas liquid product from the cryogenic unit is sent by pipeline to a refinery for further processing. Residue gas from the cryogenic unit is delivered to several pipelines for sale as well as being used as fuel for combustion units at the plant. Fuel for the turbine (ENG6) is compressed by compressor engine (ENG8). High pressure residue sale gas is compressed by turbine (ENG7A) before being piped offsite.

FOPs at Site

The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, SO2, NOX, CO

Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
 - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
 - Additional Monitoring Requirements
 - o New Source Review Authorization Requirements
 - Compliance Requirements
 - o Protection of Stratosphere Ozone
 - o Permit Location
 - o Permit Shield (30 TAC § 122.148)
- Attachments
 - o Applicable Requirements Summary
 - Unit Summary
 - Applicable Requirements Summary
 - o Additional Monitoring Requirements
 - o Permit Shield
 - New Source Review Authorization References
 - o Compliance Plan
 - o Alternative Requirements
- Appendix A
 - o Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new

construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the "index number," detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception-Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and

the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed either before or after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	No
CAIR (Clean Air Interstate Rule)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

- 1. Office activities such as photocopying, blueprint copying, and photographic processes.
- 2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
- 3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
- 4. Outdoor barbecue pits, campfires, and fireplaces.
- 5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.

- 6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
- 7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
- 8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
- 9. Vehicle exhaust from maintenance or repair shops.
- 10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
- 11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
- 12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
- 13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
- 14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
- 15. Well cellars.
- 16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
- 17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
- 18. Equipment used exclusively for the melting or application of wax.
- 19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
- 20. Shell core and shell mold manufacturing machines.
- 21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
- 22. Equipment used for inspection of metal products.
- 23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
- 24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
- 25. Battery recharging areas.
- 26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS).

These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*
AIRCOMP	40 CFR Part 60, Subpart IIII	60IIII-001	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before July 11, 2005.
AIRCOMP	P 40 CFR Part 63, Subpart ZZZZ 63ZZZZ-004		HAP Source = Any stationary source of hazardous air pollutants that is not a major source as defined in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp.
			Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.
			Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.
			Service Type = Limited use.
			Stationary RICE Type = Compression ignition engine
ENG4	40 CFR Part 60, Subpart JJJJ	60JJJJ-001	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.
ENG4	40 CFR Part 63,	63ZZZZ-001	HAP Source = Any stationary source of hazardous air pollutants that is not a major source as defined in 40 CFR § 63.2.
	Subpart ZZZZ		Brake HP = Stationary RICE with a brake hp greater than 500.
			Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.
			Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.
			Service Type = Normal use.
			Stationary RICE Type = 2 stroke spark ignited lean burn engine
ENG5	40 CFR Part 60, Subpart JJJJ	60JJJJ-002	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.
ENG5	40 CFR Part 63,	63ZZZZ-002	HAP Source = Any stationary source of hazardous air pollutants that is not a major source as defined in 40 CFR § 63.2.
	Subpart ZZZZ		Brake HP = Stationary RICE with a brake hp greater than 500.
			Operating Hours = The stationary RICE is operated more than 24 hours per calendar year.
			Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).
			Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.
			Control Technique = Non-selective catalytic reduction
			Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.
			Emission Limitation = Reducing carbon monoxide emissions from the stationary RICE
			Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.
			Operating Limits = Using the control techniques approved in Subpart ZZZZ
			Monitoring System = Continuous parameter monitoring system
			Service Type = Normal use.
			Stationary RICE Type = 4 stroke spark ignited rich burn engine
ENG8A	40 CFR Part 60,	60JJJJ-003	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced

Unit ID	Regulation	Index Number	Basis of Determination*	
	Subpart JJJJ		construction, reconstruction or modification prior to June 12, 2006.	
ENG8A	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-003	HAP Source = Any stationary source of hazardous air pollutants that is not a major source as defined in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than 500.	
			Operating Hours = The stationary RICE is operated more than 24 hours per calendar year.	
			Performance Test = A performance test has been previously conducted that meets the conditions in 40 CFR § 63.6610(d)(1)-(5).	
			Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.	
			Control Technique = Non-selective catalytic reduction	
			Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.	
			Emission Limitation = Reducing carbon monoxide emissions from the stationary RICE	
			Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.	
			Operating Limits = Using the control techniques approved in Subpart ZZZZ	
			Monitoring System = Continuous parameter monitoring system	
			Service Type = Normal use.	
			Stationary RICE Type = 4 stroke spark ignited rich burn engine	
PUMP	40 CFR Part 60, Subpart IIII	60IIII-002	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before July 11, 2005.	
PUMP	40 CFR Part 63, Subpart ZZZZ		HAP Source = Any stationary source of hazardous air pollutants that is not a major source as defined in 40 CFR § 63.2.	
			Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp.	
			Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.	
			Nonindustrial Emergency Engine = Stationary RICE is not defined in 40 CFR §63.6675 as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE.	
			Service Type = Emergency use where the RICE does not operate or is not contractually obligated to be available for more than 15 hours per calendar year as specified in 40 CFR §63.6640(f)(2)(ii)-(iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).	
			Stationary RICE Type = Compression ignition engine	
E-53	40 CFR Part 60,	60KB-003	Product Stored = Volatile organic liquid	
	Subpart Kb		Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
E-54	40 CFR Part 60,	60KB-004	Product Stored = Volatile organic liquid	
	Subpart Kb		Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
GRP _{TANK} 2			Product Stored = Volatile organic liquid	
	Subpart Kb		Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters)	
GRP _{TANK} 3	40 CFR Part 60,	60KB-7	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated prior to custody transfer	
IMINO	Subpart Kb	OOKD-/	Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TK-10A	40 CFR Part 60,	60KB-10	Product Stored = Petroleum liquid (other than petroleum or condensate)	
1K-10A	Subpart Kb	00KD-10	Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
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TK-12	40 CFR Part 60,	60KB-005	Product Stored = Waste mixture of indeterminate or variable composition	

Unit ID	Regulation	Index Number	Basis of Determination*	
	Subpart Kb		Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)	
			Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
TK-13	40 CFR Part 60,	60KB-006	Product Stored = Waste mixture of indeterminate or variable composition	
	Subpart Kb		Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)	
			Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
TK-14	40 CFR Part 60,	60KB-007	Product Stored = Waste mixture of indeterminate or variable composition	
	Subpart Kb		Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)	
			Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia	
TK-26	40 CFR Part 60,	60KB-008	Product Stored = Volatile organic liquid	
	Subpart Kb		Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TK-35	40 CFR Part 60,	60KB-009	Product Stored = Volatile organic liquid	
	Subpart Kb		Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TK-6	40 CFR Part 60,	60KB-010	Product Stored = Volatile organic liquid	
	Subpart Kb		Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TK-8	40 CFR Part 60,	60KB-8	Product Stored = Petroleum liquid (other than petroleum or condensate)	
	Subpart Kb		Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TK-9	40 CFR Part 60,		Product Stored = Petroleum liquid (other than petroleum or condensate)	
	Subpart Kb		Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TNKSLP1	40 CFR Part 60,	60KB-011	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated prior to custody transfer	
	Subpart Kb		Storage Capacity = Capacity is less than or equal to 420,000 gallons (1,589,874 liters)	
BLR1	40 CFR Part 60,	60D-001	Construction/Modification Date = After September 18, 1978.	
	Subpart D	Subpart D Covered Under Subpart Da = The ste	Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.	
			Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.	
			Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).	
BLR1	40 CFR Part 60,	60DB-001	Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.	
	Subpart Db		Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).	
BLR1	40 CFR Part 60,	60DC-001	Construction/Modification Date = On or before June 9, 1989.	
	Subpart Dc	Oc	PM Monitoring Type = No particulate monitoring.	
			Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).	
			SO ₂ Inlet Monitoring Type = No SO ₂ monitoring.	
			Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.	

Unit ID	Regulation	Index Number	Basis of Determination*
			SO2 Outlet Monitoring Type = No SO ₂ monitoring.
			Heat Input Capacity = Heat input capacity is greater than 10 MMBtu/hr (2.9 MW) but less than 30 MMBtu/hr (8.7 MW).
			Technology Type = None.
			D-Series Fuel Type = Natural gas.
			ACF Option - SO2 = Other ACF or no ACF.
			ACF Option - PM = Other ACF or no ACF.
			30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.
BLR2	40 CFR Part 60,	60D-002	Construction/Modification Date = After September 18, 1978.
	Subpart D		Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.
			Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.
			Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).
BLR2	40 CFR Part 60,	60DB-002	Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.
	Subpart Db		Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).
BLR2	40 CFR Part 60,	60DC-002	Construction/Modification Date = On or before June 9, 1989.
	Subpart Dc	,, 0000-002	PM Monitoring Type = No particulate monitoring.
			Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).
			SO ₂ Inlet Monitoring Type = No SO ₂ monitoring.
			Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.
			SO2 Outlet Monitoring Type = No SO ₂ monitoring.
			Heat Input Capacity = Heat input capacity is greater than 10 MMBtu/hr (2.9 MW) but less than 30 MMBtu/hr (8.7 MW).
			Technology Type = None.
			D-Series Fuel Type = Natural gas.
			ACF Option - SO2 = Other ACF or no ACF.
			ACF Option - PM = Other ACF or no ACF.
			30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.
HTR1	40 CFR Part 60,	60D-003	Construction/Modification Date = After September 18, 1978.
	Subpart D	, , , , , , , , , , , , , , , , , , , ,	Covered Under Subpart Da = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da.
			Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.
			Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW).
HTR1	40 CFR Part 60,		Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.
	Subpart Db		Heat Input Capacity = Heat input capacity is less than or equal to 100 MMBtu/hr (29 MW).
HTR1	40 CFR Part 60, Subpart Dc	60DC-003	Construction/Modification Date = On or before June 9, 1989.

Unit ID	Regulation	Index Number	Basis of Determination*
			PM Monitoring Type = No particulate monitoring.
			Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).
			SO ₂ Inlet Monitoring Type = No SO ₂ monitoring.
			Other Subparts = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.
			SO2 Outlet Monitoring Type = No SO ₂ monitoring.
			Heat Input Capacity = Heat input capacity is greater than 10 MMBtu/hr (2.9 MW) but less than 30 MMBtu/hr (8.7 MW).
			Technology Type = None.
			D-Series Fuel Type = Natural gas.
			ACF Option - SO2 = Other ACF or no ACF.
			ACF Option - PM = Other ACF or no ACF.
			30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.
FLR1	30 TAC Chapter	111-001	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.
	111, Visible Emissions		Emergency/Upset Conditions Only = Flare is used only under emergency or upset conditions.
	Emissions		Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.
			Construction Date = Newest source routing emissions to the flare began construction after January 31, 1972.
FLR1	40 CFR Part 60, Subpart A	60A-1	Subject to 40 CFR § 60.18 = Flare is not subject to 40 CFR § 60.18.
FLR1	40 CFR Part 63, Subpart A	63-001	Required Under 40 CFR Part 63 = Flare is not required by a Subpart under 40 CFR Part 63.
TREATER	30 TAC Chapter 112, Sulfur Compounds	112-001	Sulfur Recovery Plant = The gas sweetening unit is not using sulfur recovery.
TREATER	40 CFR Part 60,	60LLL-001	Onshore = The sweetening unit is located onshore at a gas processing plant.
	Subpart LLL		Construction Date = On or before January 20, 1984.
			Acid Gas Vented = Acid gas is vented (acid gas is not completely reinjected into oil- or gas-bearing strata or is
			otherwise released into the atmosphere [burning is considered to be a release into the atmosphere]).
			Design Capacity = Design capacity is less than 2 long tons/day.
ENG6	40 CFR Part 60,	60GG-001	Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)
	Subpart GG		Construction/Modification Date = On or before October 3, 1977.
ENG6	40 CFR Part 60,		Unit Type = Combined Cycle Combustion Turbine
	Subpart KKKK		Construction/Modification Date = Turbine was constructed, reconstructed or modified on or before February 18, 2005.
ENG-7A	40 CFR Part 60,	art 60, 60GG-002	NOx Control Method = No NO _x control method is used.
L110-/11	Subpart GG	0000-002	Peak Load Heat Input = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).

Unit ID	Regulation	Index Number	Basis of Determination*
			Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.
			NOx Allowance = The owner or operator is not electing to use a NO _x allowance in determining emission limits in 40 CFR § 60.332(a).
			NOx Monitoring Method = No continuous monitoring system is used.
			Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.
			Turbine Cycle = Unit does not recover heat from the gas turbine exhaust to preheat inlet combustion air; or to heat water or generate steam.
			Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).
			Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.
			Federal Register = Not required in the September 10, 1979 Federal Register (44 FR 52792) to comply with 40 CFR § 60.332(a)(1).
			Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.
			Fuel Monitoring Schedule = Fuel meets the definition of natural gas in 40 CFR § 60.331(u) and is not monitored.
ENG-7A	40 CFR Part 60,	60KKKK-002	Unit Type = Simple Combustion Turbine
	Subpart KKKK		Construction/Modification Date = Turbine was constructed, reconstructed or modified on or before February 18, 2005.
FUG1	40 CFR Part 60, Subpart KKK	60KKK-002	2% Valves Leaking = The owner or operator is not electing to comply with an allowable percentage of valves leaking equal to or less than 2.0 percent.
			Closed Vent Systems = No closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Facility Type = Affected facility is the group of all equipment except compressors within a process unit.
			Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Light Liquid Service = No pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Open-Ended Valves or Lines = Open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Vapor Recovery System = Vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			AMEL = Not using alternate means of emission limitation.
			Construction/Modification Date = After January 20, 1984 and on or before August 23, 2011.
			Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			AMEL = Not using alternate means of emission limitation.
			Complying With § 60.482-10 = Not complying with 40 CFR 60.482-10.
			Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.
			Light Liquid Service = Pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			AMEL = Not using alternate means of emission limitation.
			Complying With § 60.482-6 = Complying with 40 CFR 60.482-6.
			Compressors = Compressor in VOC or Wet Gas Service.
			Enclosed Combustion Device = Enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.

Unit ID	Regulation	Index Number	Basis of Determination*
			Control Devices Used to Comply With AMEL = No control devices used to comply with AMEL.
			Flanges and Other Connectors = Flanges or other connectors addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Heavy Liquid Service = No pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Reciprocating Compressor in Wet Gas Service = Reciprocating compressor in wet gas service.
			AMEL = Not using alternate means of emission limitation.
			Complying With § 60.482-10 = Not complying with 40 CFR 60.482-10.
			Complying With § 60.482-2 = Complying with 40 CFR 60.482-2.
			Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			AMEL = Not using alternate means of emission limitation.
			Complying With § 60.482-3 = Complying with 40 CFR 60.482-3.
			Complying With § 60.482-4 = Not complying with 40 CFR 60.482-4.
			Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.
			Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.
FUG-G	40 CFR Part 60, Subpart KKK	60KKK-001	2% Valves Leaking = The owner or operator is not electing to comply with an allowable percentage of valves leaking equal to or less than 2.0 percent.
			Closed Vent Systems = No closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Facility Type = Affected facility is the group of all equipment except compressors within a process unit.
			Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Light Liquid Service = No pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Open-Ended Valves or Lines = No open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Vapor Recovery System = No vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Construction/Modification Date = After January 20, 1984 and on or before August 23, 2011.
			Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			AMEL = Not using alternate means of emission limitation.
			Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.
			Light Liquid Service = No pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Compressors = Compressor not in VOC or Wet Gas Service.
			Enclosed Combustion Device = No enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.
			Control Devices Used to Comply With AMEL = No control devices used to comply with AMEL.
			Flanges and Other Connectors = Flanges or other connectors addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.

Unit ID	Regulation	Index Number	Basis of Determination*
			Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Heavy Liquid Service = No pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			Reciprocating Compressor in Wet Gas Service = Reciprocating compressor not in wet gas service (or not reciprocating compressor).
			AMEL = Not using alternate means of emission limitation.
			Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.
			AMEL = Not using alternate means of emission limitation.
			Complying With § 60.482-4 = Not complying with 40 CFR 60.482-4.
			Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.
			Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.
CT1	40 CFR Part 63, Subpart Q	63Q-001	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
CT2	40 CFR Part 63, Subpart Q	63Q-002	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
DEHY	40 CFR Part 63, Subpart HH	63HH-001	Alternate Means of Emission Limitation (AMEL) = The EPA Administrator has not approved an alternate means of emission limitation in accordance with 40 CFR § 63.777 or no alternate has been requested.
			HAP Source = Stationary of source of HAPs that is not a major source as defined in 40 CFR § 63.761.
			Affected Source Type = Triethylene glycol (TEG) dehydration unit not located within an UA plus offset and UC boundary.
			Area Source Exemption = Actual average emissions of benzene from the TEG unit process vent are less than 0.90 megagrams per year.

^{* -} The "unit attributes" or operating conditions that determine what requirements apply

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification	For initial permit with application shield, can be issued
of an existing facility	after operation commences; significant revisions require
	approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not
	authorize new emissions
Ensures issued permits are protective of the	Applicable requirements listed in permit are used by the
environment and human health by conducting a	inspectors to ensure proper operation of the site as
health effects review and that requirement for	authorized. Ensures that adequate monitoring is in
best available control technology (BACT) is	place to allow compliance determination with the FOP.
implemented.	
Up to two Public notices may be required.	One public notice required. Opportunity for public
Opportunity for public comment and contested	comments. No contested case hearings.
case hearings for some authorizations. Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources
Applies to all point source emissions in the state.	identified by the EPA.
Applies to facilities: a portion of site or individual	One or multiple FOPs cover the entire site (consists of
emission sources	multiple facilities)
Permits include terms and conditions under	Permits include terms and conditions that specify the
which the applicant must construct and operate	general operational requirements of the site; and also
its various equipment and processes on a facility	include codification of all applicable requirements for
basis.	emission units at the site.
Opportunity for EPA review for Federal	Opportunity for EPA review, Affected states review, and
Prevention of Significant Deterioration (PSD)	a Public petition period for every FOP.
and Nonattainment (NA) permits for major	
sources.	
Permits have a table listing maximum emission	Permit has an applicable requirements table and
limits for pollutants	Periodic Monitoring (PM) / Compliance Assurance
	Monitoring (CAM) tables which document applicable
	monitoring requirements.
Permits can be altered or amended upon	Permits can be revised through several revision
application by company. Permits must be issued	processes, which provide for different levels of public
before construction or modification of facilities	notice and opportunity to comment. Changes that would
can begin.	be significant revisions require that a revised permit be
NOD	issued before those changes can be operated.
NSR permits are issued independent of FOP	FOP are independent of NSR permits, but contain a list
requirements.	of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

The status of air permits and applications and a link to the Air Permits Remote Document Server is located at the following Web site:

www.tceq.texas.gov/permitting/air/nav/air_status_permits.html

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.			
Authorization No.: 3131A	Issuance Date: 07/12/2011		
Permits By Rule (30 TAC Chapter 106) for the Application Area		
Number: 106.352	Version No./Date: 09/04/2000		
Number: 106.352	Version No./Date: 02/27/2011		
Number: 106.355	Version No./Date: 11/01/2001		
Number: 106.371	Version No./Date: 09/04/2000		
Number: 106.511	Version No./Date: 09/04/2000		
Number: 66	Version No./Date: 11/05/1986		

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: ENG-7A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-002
Pollutant: NO _X	Main Standard: § 60.332(a)(2)

Monitoring Information

Indicator: NOx Concentration

Minimum Frequency: Semi-annually

Averaging Period: N/A

Deviation Limit: If NOx emission limit based on equation in §60.332(a)(2) is greater than 159.3 ppm @ 15% O2, it shall be considered and reported as a deviation condition and the NOx monitoring frequency shall be changed to monthly.

Basis of monitoring:

It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules.

Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on October 15, 2015. Site rating: $_46.33$ / Satisfactory Company rating: $_4.11$ / Satisfactory (High < 0.10; Satisfactory \ge 0.10 and \le 55; Unsatisfactory > 55)

Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS? _______Yes 2. Is a compliance plan and schedule included in the permit? _______Yes

Permit reviewer notes:

On 04/24/2015, the OP-ACPS plan was sent to TCEQ Region 1 for comments. A response was received on 05/13/2015 from TCEQ Region 1 in which Saied Ashraf (the Regional Investigator) commented that "the compliance status assessment method text description should be modified to address the proposed NSR permit modification for a stack temperature of 1190 degrees Fahrenheit with a minimum oxygen concentration of 5%". The compliance plan/schedule was changed accordingly by the applicant.

Available Unit Attribute Forms

- OP-UA1 Miscellaneous and Generic Unit Attributes
- OP-UA2 Stationary Reciprocating Internal Combustion Engine Attributes
- OP-UA3 Storage Tank/Vessel Attributes
- OP-UA4 Loading/Unloading Operations Attributes
- OP-UA5 Process Heater/Furnace Attributes
- OP-UA6 Boiler/Steam Generator/Steam Generating Unit Attributes
- **OP-UA7 Flare Attributes**
- **OP-UA8 Coal Preparation Plant Attributes**
- OP-UA9 Nonmetallic Mineral Process Plant Attributes
- OP-UA10 Gas Sweetening/Sulfur Recovery Unit Attributes
- OP-UA11 Stationary Turbine Attributes
- OP-UA12 Fugitive Emission Unit Attributes
- OP-UA13 Industrial Process Cooling Tower Attributes
- OP-UA14 Water Separator Attributes
- OP-UA15 Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
- OP-UA16 Solvent Degreasing Machine Attributes
- OP-UA17 Distillation Unit Attributes
- **OP-UA18 Surface Coating Operations Attributes**
- OP-UA19 Wastewater Unit Attributes
- OP-UA20 Asphalt Operations Attributes
- OP-UA21 Grain Elevator Attributes
- OP-UA22 Printing Attributes
- OP-UA24 Wool Fiberglass Insulation Manufacturing Plant Attributes
- OP-UA25 Synthetic Fiber Production Attributes
- OP-UA26 Electroplating and Anodizing Unit Attributes
- OP-UA27 Nitric Acid Manufacturing Attributes
- OP-UA28 Polymer Manufacturing Attributes
- OP-UA29 Glass Manufacturing Unit Attributes
- OP-UA30 Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
- OP-UA31 Lead Smelting Attributes
- OP-UA32 Copper and Zinc Smelting/Brass and Bronze Production Attributes
- OP-UA33 Metallic Mineral Processing Plant Attributes
- OP-UA34 Pharmaceutical Manufacturing

- OP-UA35 Incinerator Attributes
- OP-UA36 Steel Plant Unit Attributes
- OP-UA37 Basic Oxygen Process Furnace Unit Attributes
- OP-UA38 Lead-Acid Battery Manufacturing Plant Attributes
- OP-UA39 Sterilization Source Attributes
- OP-UA40 Ferroalloy Production Facility Attributes
- OP-UA41 Dry Cleaning Facility Attributes
- OP-UA42 Phosphate Fertilizer Manufacturing Attributes
- OP-UA43 Sulfuric Acid Production Attributes
- OP-UA44 Municipal Solid Waste Landfill/Waste Disposal Site Attributes
- OP-UA45 Surface Impoundment Attributes
- OP-UA46 Epoxy Resins and Non-Nylon Polyamides Production Attributes
- OP-UA47 Ship Building and Ship Repair Unit Attributes
- OP-UA48 Air Oxidation Unit Process Attributes
- OP-UA49 Vacuum-Producing System Attributes
- OP-UA50 Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
- OP-UA51 Dryer/Kiln/Oven Attributes
- OP-UA52 Closed Vent Systems and Control Devices
- OP-UA53 Beryllium Processing Attributes
- OP-UA54 Mercury Chlor-Alkali Cell Attributes
- OP-UA55 Transfer System Attributes
- OP-UA56 Vinyl Chloride Process Attributes
- OP-UA57 Cleaning/Depainting Operation Attributes
- **OP-UA58 Treatment Process Attributes**
- OP-UA59 Coke By-Product Recovery Plant Attributes
- OP-UA60 Chemical Manufacturing Process Unit Attributes
- OP-UA61 Pulp, Paper, or Paperboard Producing Process Attributes
- OP-UA62 Glycol Dehydration Unit Attributes
- OP-UA63 Vegetable Oil Production Attributes